



Under the Paperwork Reduction Act of 1995, no persons are required to

1945-1946

## **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

*(Use as many sheets as necessary)*

Sheet 0

of 03

**Complete if Known**

Application Number	10/054,638
Filing Date	22 JAN 2002
First Named Inventor	Robert P. Ryall
Art Unit	1645
Examiner Name	Devi, Sarvamangala J N

## U. S. PATENT DOCUMENTS

## FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				
		EP WO 90/06696 A2	06-28-1990	SEID, Robert, et al.		
		EP WO 00/56360 A2	09-28-2000	CAPIAU, Carine, et al.		
		EP WO 01/09350 A2	02-08-2001	BERTHET, F. X., et al.		
		EP WO 02/00249 A2	01-03-2002	BOUTRIAU, D., et al.		

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

**\*EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO				<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(Use as many sheets as necessary)</i>				Application Number	10/054,638
Sheet	02	of	03	Filing Date	22 JAN 2002
				First Named Inventor	Robert P. Ryall
				Art Unit	1645
				Examiner Name	Devi, Sarvamangala J N
				Attorney Docket Number	API-01-059

<b>NON PATENT LITERATURE DOCUMENTS</b>					
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			T <sup>2</sup>
		Advisory Committee on Immunization Practices, CDC, Atlanta, GA, October 18-19, 2000, pp., 1-9, 42-44			
		ANDERSON, Edwin, L., et al., Infection and Immunity, Vol. 62, No.: 8, pp. 3391-3395, 1994			
		CAMPAGNE, G., et al., Amer. Soc. Tropical Med. & Hygiene, 46th Annual Meeting, Abstract No.: 81, December 7-11, 1997			
		FUSCO, Peter, C., et al., Expert Opinion on Investigational Drugs, Vol. 7, No.: 2, pp. 245-252, 1998			
		FUSCO, Peter, C., et al., Intersci. Conf. Agents Chemother., Abstract No.: 251, 39:362, September 26-29, 1999			
		Global Alliance for Vaccines and Immunization, 4th Board Meeting, Noordwijk, The Netherlands, November 19, 2000, pp. 1-7, 42-44, 53			
		LAMB, David, H., et al., Physico-Chemical Proc. Char. of Vaccines, Dev. Biol., Krager, 2000, Vol. 103, pp. 251-258, Brown F., Corbel M., Griffiths E., (eds)			
		LEI, Q., P., et al., Physico-Chemical Proc. Char. of Vaccines, Dev. Biol., Krager, 2000, Vol. 103, pp. 259-264, Brown F., Corbel M., Griffiths E., (eds)			
		LINDBERG, Alf, A., C.R. Acad. Sci., Paris Sciences de la vie, Vol. 322, pp. 925-932, 1999			
		MMWR, Recommendations and Reports, CDC, Vol. 49, No.: RR-7, pp. 1, 6, 7, June 30, 2000			

Examiner Signature	Date Considered
--------------------	-----------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.  
This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO				Complete if Known	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(Use as many sheets as necessary)</i>				Application Number	10/054,638
Sheet	03	of	03	Filing Date	22 JAN 2002
				First Named Inventor	Robert P. Ryall
				Art Unit	1645
				Examiner Name	Devi, Sarvamangala J N
				Attorney Docket Number	API-01-059

NON PATENT LITERATURE DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.				T <sup>2</sup>
		PERKINS, Bradley, A., J. Amer. Med. Assoc., Vol. 283, No.: 21, pp. 2842-2843, 2000				
		Tai, J. Y., et al., Abstracts of the Tenth International Pathogenic Neisseria Conference, Baltimore, MD, September 8-13, 1996, ZOLLINGER, Wendell, D., et al. (eds)				
		Plotkin, Stanley, A., and Orenstein, Walter, A., Vaccines 3rd Ed., W.B. Saunders Company, Philadelphia, PA, pp. 722-723, 1999				

Examiner Signature	Date Considered
--------------------	-----------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.